

Set Name **Query**
side by side

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE;
PLUR=YES; OP=AND

L12 L11 and ((FGF adj 2) or (bFGF))

L11 Thomson-james-a\$.in.

L10 Duncan-ian-david.in.

L9 Zhang-su-chun.in.

L8 (neural adj precursor) same ("%")

L7 (L3 or L4) and (bFGF)

L6 L5 and (FGF 2)

L5 (L4 or L3) and (FGF?)

L4 L2 and (EBs)

L3 L2 and (embryoid adj bodies)

L2 (embryonic adj (stem cell)) and (neural precursor)

L1 (embryonic adj (stem cell)) same (neural adj precursor)

Hit Count **Set Name**
result set

2 L12

13 L11

0 L10

1 L9

0 L8

11 L7

4 L6

4 L5

29 L4

27 L3

134 L2

0 L1

END OF SEARCH HISTORY

13206406 BIOSIS NO.: 200100413555

Neuronal progenitor cells and uses thereof.

AUTHOR: Luskin Marla B(a)

AUTHOR ADDRESS: (a)Decatur, GA**USA

JOURNAL: Official Gazette of the United States Patent and Trademark Office
Patents 1247 (4):pNo Pagination June 26, 2001

MEDIUM: e-file

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The present invention provides an isolated cellular composition comprising greater than about *90*% mammalian, non tumor-derived, *neuronal* *progenitor* cells which express a neuron-specific marker and which can give rise to progeny which can differentiate into neuronal cells. Also provided are methods of treating neuronal disorders utilizing this cellular *composition*.

?ds

Set	Items	Description
S1	2355	(EMBRYOID (W) BODIES) OR (EBS)
S2	2751	(NEURAL OR NEURONAL) (W) (PRECURSOR OR PROGENITOR)
S3	9	S1 (S) S2
S4	3	RD (unique items)
S5	11	S1 AND S2
S6	5	RD (unique items)
S7	1	S6 AND ((BFGF) OR (FGF (W) 2))
S8	0	S2 (S) (ISOLATED (W) CELL (W) POPULATION)
S9	0	S2 (S) (95% OR 90% OR 72% OR 84%)
S10	0	S2 (S) ("95%")
S11	68	S2 (S) ((CELL (W) POPULATION) OR (COMPOSITION))
S12	29	RD (unique items)
S13	2	S12 AND (95 OR 90 OR 72 OR 84)

?logout

08may02 13:34:35 User259876 Session D338.2

\$3.43 1.073 DialUnits File155
\$0.42 2 Type(s) in Format 2
\$1.47 7 Type(s) in Format 3
\$1.89 9 Types
\$5.32 Estimated cost File155
\$7.06 1.261 DialUnits File5
\$5.25 3 Type(s) in Format 3
\$5.25 3 Types
\$12.31 Estimated cost File5
\$11.46 1.273 DialUnits File73
\$11.46 Estimated cost File73
OneSearch, 3 files, 3.607 DialUnits FileOS
\$2.38 TELNET
\$31.47 Estimated cost this search
\$31.84 Estimated total session cost 3.703 DialUnits

Status: Signed Off. (11 minutes)

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:

***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Welcome to DIALOG

Status: Connected

Dialog level 02.03.27D

Last logoff: 04may02 13:20:43

Logon file001 08may02 13:24:13

*** ANNOUNCEMENT ***

--U.S. Patents Fulltext (File 654) has been redesigned with
new search and display features. See HELP NEWS 654 for
information.

--Dialog NewsRoom is now available. BEGIN NEWSROOM
to use the files in a OneSearch. See NEW FILES RELEASED
(below) for individual file numbers.

--Connect Time joins DialUnits as pricing
options on Dialog. See HELP CONNECT for
information.

--CLAIMS/US Patents (Files 340,341, 942) have been enhanced
with both application and grant publication level in a
single record. See HELP NEWS 340 for information.

--SourceOne patents are now delivered to your
email inbox as PDF replacing TIFF delivery.
See HELP SOURCE1 for more information.

--Important news for public and academic
libraries. See HELP LIBRARY for more information.

--Important Notice to Freelance Authors--
See HELP FREELANCE for more information

For information about the access to file 43 please see Help News43.

NEW FILES RELEASED

***Dialog NewsRoom - Current 3-4 months (File 990)

***Dialog NewsRoom - 2001 Archive (File 994)

***Dialog NewsRoom - 2000 Archive (File 995)

***AGROProjects (File 235)

***TRADEMARKSCAN-Finland (File 679)

***TRADEMARKSCAN-Japan (File 669)

***TRADEMARKSCAN-Norway (File 678)

***TRADEMARKSCAN-Sweden (File 675)

UPDATING RESUMED

***Delphes European Business (File 481)

RELOADED

***U.S. Patents Fulltext 1976-current (File 654)

***Population Demography (File 581)
***CLAIMS/US PATENTS (Files 340, 341, 942)
***Kompas Western Europe (590)
***D&B - Dun's Market Identifiers (516)

REMOVED

***U.S. Patents Fulltext 1980-1989 (File 653)
***Washington Post (File 146)
***Books in Print (File 470)
***Court Filings (File 793)
***Microcomputer Software Guide Online (File 278)
***Publishers, Distributors & Wholesalers of the U.S. (File 450)
***State Tax Today (File 791)
***Tax Notes Today (File 790)
***Worldwide Tax Daily (File 792)

New document supplier

IMED has been changed to INFOTRIE (see HELP OINFOTRI)

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databases within 15 minutes of transmission over the
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and full-text features. To search First Release files in
OneSearch simply BEGIN FIRST for coverage from Dialog's
broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<

KWIC is set to 50.
HIGHLIGHT set on as '*'

File 1:ERIC 1966-2002/Apr 18
(c) format only 2002 The Dialog Corporation

Set	Items	Description
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Cost is in DialUnits

?b 155, 5, 73

08may02 13:24:26 User259876 Session D338.1

\$0.33 0.095 DialUnits File1

\$0.33 Estimated cost File1

\$0.04 TELNET

\$0.37 Estimated cost this search

\$0.37 Estimated total session cost 0.095 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2002/Apr W4

***File 155: This file will be reloaded. Accession numbers will change.**

File 5:Biosis Previews(R) 1969-2002/Apr W4

(c) 2002 BIOSIS

File 73:EMBASE 1974-2002/May W1

(c) 2002 Elsevier Science B.V.

***File 73: For information about Explode feature please
see Help News73.**

Set	Items	Description
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?s (embryoid (w) bodies) or (EBs)

1776 EMBRYOID

194454 BODIES

1200 EMBRYOID(W) BODIES

1340 EBS

S1 2355 (EMBRYO) (W) BODIES) OR (EBS)
 ?s (neural or neuronal) (w) (precursor or progenitor)
 831215 NEURAL
 286415 NEURONAL
 192928 PRECURSOR
 55492 PROGENITOR
 S2 2751 (NEURAL OR NEURONAL) (W) (PRECURSOR OR PROGENITOR)
 ?s s1 (s) s2
 2355 S1
 2751 S2
 S3 9 S1 (S) S2
 ?rd
 ...completed examining records
 S4 3 RD (unique items)
 ?t s4/3,k/all

4/3,K/1 (Item 1 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)

12947888 21896482 PMID: 11897870

Analysis of different promoter systems for efficient transgene expression in mouse embryonic stem cell lines.

Chung Sangmi; Andersson Therese; Sonntag Kai-C; Bjorklund Lars; Isacson Ole; Kim Kwang-Soo

Molecular Neurobiology Laboratory, Neuroregeneration Laboratory, and Udall Parkinson's Disease Center, McLean Hospital, Harvard Medical School, Belmont, Massachusetts, USA.

Stem cells (Dayton, Ohio) (United States) Mar 2002, 20 (2) p139-45,
 ISSN 1066-5099 Journal Code: 9304532

Languages: ENGLISH

Document type: Journal Article

Record type: In Process

... promoter was inactive. We also demonstrated that the EF and CBA promoters effectively drove gene expression in different stages of cell development: naive ES cells, *embryoid* *bodies* (*EBs*), and *neural* *precursor* cells. In contrast, the CMV promoter did not have transcriptional activity in either ES cells or EB but had significant activity once ES cells differentiated...

4/3,K/2 (Item 2 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)

12839449 21588753 PMID: 11731781

In vitro differentiation of transplantable neural precursors from human embryonic stem cells.

Zhang S C; Wernig M; Duncan I D; Brustle O; Thomson J A
 Department of Anatomy, University of Wisconsin 1500 Highland Avenue, Madison, WI 53705, USA. zhang@waisman.wisc.edu

Nature biotechnology (United States) Dec 2001, 19 (12) p1129-33,
 ISSN 1087-0156 Journal Code: 9604648

Comment in Nat Biotechnol. 2001 Dec;19(12) 1117-8; Comment in PMID 11731775

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

... ES) cells promise an almost unlimited supply of specific cell types for transplantation therapies. Here we describe the in vitro differentiation, enrichment, and transplantation of *neural* *precursor* cells from human ES cells. Upon aggregation to *embryoid* *bodies*, differentiating ES cells formed large numbers of neural tube-like structures in the presence of fibroblast growth factor 2 (FGF-2). Neural precursors within these...

4/3,K/3 (Item 3 from file: 155)
DIALOG(R) File 155:MEDLINE(R)

12810811 21573979 PMID: 11716562

Enrichment of neurons and neural precursors from human embryonic stem cells.

Carpenter M K; Inokuma M S; Denham J; Mujtaba T; Chiu C P; Rao M S
Geron Corporation, 230 Constitution Drive, Menlo Park, California 94025,
USA. mcarpenter@geron.com

Experimental neurology (United States) Dec 2001, 172 (2) p383-97,
ISSN 0014-4886 Journal Code: 0370712

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

... months in vitro (over 100 population doublings) before their ability to differentiate into the neural lineage was evaluated. Differentiation was induced by the formation of *embryoid* *bodies* that were subsequently plated onto appropriate substrates in defined medium containing mitogens. These populations contained cells that showed positive immunoreactivity to nestin, polysialylated neural cell...

...found to be similar to those of cells derived from primary tissue. These data indicate that hES cells could provide a cell source for the *neural* *progenitor* cells and mature neurons for therapeutic and toxicological uses.

?ds

Set	Items	Description
S1	2355	(EMBRYOID (W) BODIES) OR (EBS)
S2	2751	(NEURAL OR NEURONAL) (W) (PRECURSOR OR PROGENITOR)
S3	9	S1 (S) S2
S4	3	RD (unique items)

?s s1 and s2

2355 S1

2751 S2

S5 11 S1 AND S2

?rd

...completed examining records

S6 5 RD (unique items)

?t s6

6/2/1 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)

12947888 21896482 PMID: 11897870

Analysis of different promoter systems for efficient transgene expression in mouse embryonic stem cell lines.

Chung Sangmi; Andersson Therese; Sonntag Kai-C; Bjorklund Lars; Isacson Ole; Kim Kwang-Soo

Molecular Neurobiology Laboratory, Neuroregeneration Laboratory, and Udall Parkinson's Disease Center, McLean Hospital, Harvard Medical School, Belmont, Massachusetts, USA.

Stem cells (Dayton, Ohio) (United States) Mar 2002, 20 (2) p139-45,
ISSN 1066-5099 Journal Code: 9304532

Languages: ENGLISH

Document type: Journal Article

Record type: In Process

Subfile: INDEX MEDICUS

Record Date Created: 20020318

?t s6/3,k/all

6/3,K/1 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)

12947888 21896482 PMID: 11897870

Analysis of different promoter systems for efficient transgene expression in mouse embryonic stem cell lines.

Chung Sangmi; Andersson Therese; Sonntag Kai-C; Bjorklund Lars; Isacson Ole; Kim Kwang-Soo

Molecular Neurobiology Laboratory, Neuroregeneration Laboratory, and Udall Parkinson's Disease Center, McLean Hospital, Harvard Medical School, Belmont, Massachusetts, USA.

Stem cells (Dayton, Ohio) (United States) Mar 2002, 20 (2) p139-45,
ISSN 1066-5099 Journal Code: 9304532

Languages: ENGLISH

Document type: Journal Article

Record type: In Process

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6/3,K/2 (Item 2 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

12839449 21588753 PMID: 11731781

In vitro differentiation of transplantable neural precursors from human embryonic stem cells.

Zhang S C; Wernig M; Duncan I D; Brustle O; Thomson J A

Department of Anatomy, University of Wisconsin 1500 Highland Avenue, Madison, WI 53705, USA. zhang@waisman.wisc.edu

Nature biotechnology (United States) Dec 2001, 19 (12) p1129-33,
ISSN 1087-0156 Journal Code: 9604648

Comment in Nat Biotechnol. 2001 Dec;19(12) 1117-8; Comment in PMID 11731775

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

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6/3,K/3 (Item 3 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

12810811 21573979 PMID: 11716562

Enrichment of neurons and neural precursors from human embryonic stem cells.

Carpenter M K; Inokuma M S; Denham J; Mujtaba T; Chiu C P; Rao M S

Geron Corporation, 230 Constitution Drive, Menlo Park, California 94025, USA. mcarpenter@geron.com

Experimental neurology (United States) Dec 2001, 172 (2) p383-97,
ISSN 0014-4886 Journal Code: 0370712

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

... months in vitro (over 100 population doublings) before their ability to differentiate into the neural lineage was evaluated. Differentiation was induced by the formation of *embryoid* *bodies* that were subsequently

plated onto appropriate substrates in defined medium containing mitogens. These populations contained cells that showed positive immunoreactivity to nestin, polysialylated neural cell...

...found to be similar to those of cells derived from primary tissue. These data indicate that hES cells could provide a cell source for the *neural* *progenitor* cells and mature neurons for therapeutic and toxicological uses.

6/3,K/4 (Item 1 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)
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13373643 BIOSIS NO.: 200200002464

In vitro differentiation and transplantation of human ES cell-derived neural precursors.

AUTHOR: Duncan I D(a); Zhang S C; Wernig M; Brustle O; Thomson J A
AUTHOR ADDRESS: (a) Dept Med Sci, Univ Wisconsin Sch Vet Med, Madison, WI**
USA

JOURNAL: Society for Neuroscience Abstracts 27 (2):p2087 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: for transplantation therapies. Here we describe the in vitro differentiation, purification and transplantation of human ES cell-derived neural precursors. Neural differentiation was initiated in *embryoid* *bodies* and enhanced by FGF2. Neural precursors expressing nestin, Musashi-1 and PSA-NCAM formed neural tube-like rosette formations which could be enriched to 96...

DESCRIPTORS:

...ORGANISMS: PARTS ETC: *neural* *precursor* cell

METHODS & EQUIPMENT: *neural* *precursor* transplantation...

6/3,K/5 (Item 2 from file: 5)
DIALOG(R)File 5: Biosis Previews(R)
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13279706 BIOSIS NO.: 200100486855

Multiple routes to generate CNS progeny from mouse embryonic stem cells.

AUTHOR: Widmer D A J(a); Sato N(a); Barbieri T; Tabar V(a); Studer L(a)
AUTHOR ADDRESS: (a) Laboratory of Stem Cell and Tumor Biology, Neurosurgery
and Cellular Biochemistry and Biophysics, Memorial Sloan Kettering Cancer
Center, New York, NY**USA

JOURNAL: Society for Neuroscience Abstracts 27 (1):p347 2001

MEDIUM: print

CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001

ISSN: 0190-5295

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: of midbrain dopamine neurons from mouse ES cells. A five-step differentiation protocol converts ES cells into differentiated CNS progeny via the sequential generation of *embryoid* *bodies*, neural plate-like cells, neural progenitors and immature neurons and glial cells. An alternative technique is based on the use of stromal cell feeders that...

DESCRIPTORS:

...ORGANISMS: PARTS ETC: *neural* *progenitor*--

?ds

Set	Items	Description
S1	2355	(EMBRYOID (W) BODIES) OR (EBS)
S2	2751	(NEURAL OR NEURONAL) (W) (PRECURSOR OR PROGENITOR)
S3	9	S1 (S) S2
S4	3	RD (unique items)
S5	11	S1 AND S2
S6	5	RD (unique items)
?s s6 and ((bFGF) or (FGF (w) 2))		
	5	S6
	14908	BFGF
	16521	FGF
	7228105	2
	3742	FGF(W)2
S7	1	S6 AND ((BFGF) OR (FGF (W) 2))

?t s7

7/2/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12839449 21588753 PMID: 11731781

In vitro differentiation of transplantable neural precursors from human embryonic stem cells.

Zhang S C; Wernig M; Duncan I D; Brustle O; Thomson J A
Department of Anatomy, University of Wisconsin 1500 Highland Avenue,
Madison, WI 53705, USA. zhang@waisman.wisc.edu
Nature biotechnology (United States) Dec 2001, 19 (12) p1129-33,
ISSN 1087-0156 Journal Code: 9604648
Comment in Nat Biotechnol. 2001 Dec;19(12) 1117-8; Comment in PMID
11731775

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

Subfile: INDEX MEDICUS

Tags: Animal; Human; Support, Non-U.S. Gov't

Descriptors: *Embryo--cytology--CY; *Neurons--cytology--CY; *Stem Cells
--cytology--CY; Brain--embryology--EM; Brain--metabolism--ME; Bromodeoxyur
idine--metabolism--ME; Cell Adhesion; Cell Differentiation; Cell Lineage;
Cell Transplantation; Cells, Cultured; Central Nervous System--cytology--CY
; Epithelial Cells--metabolism--ME; Fibroblast Growth Factor 2
--biosynthesis--BI; Immunohistochemistry; In Situ Hybridization; Mice
CAS Registry No.: 103107-01-3 (Fibroblast Growth Factor 2); 59-14-3
(Bromodeoxyuridine)

Record Date Created: 20011203

?ds

Set	Items	Description
S1	2355	(EMBRYOID (W) BODIES) OR (EBS)
S2	2751	(NEURAL OR NEURONAL) (W) (PRECURSOR OR PROGENITOR)
S3	9	S1 (S) S2
S4	3	RD (unique items)
S5	11	S1 AND S2
S6	5	RD (unique items)
S7	1	S6 AND ((BFGF) OR (FGF (W) 2))
?s s2 (s) (isolated (w) cell (w) population)		
	2751	S2
	1291212	ISOLATED
	5701152	CELL
	1239871	POPULATION
S8	0	S2 (S) (ISOLATED (W) CELL (W) POPULATION)
?s s2 (s) (95% or 90% or 72% or 84%)		
	2751	S2
	0	95%
	0	90%
	0	72%

0 84%
 S9 0 S2 (S) (95% OR 90% OR 72% OR 84%)
 ?s s2 (s) ("95%")
 2751 S2
 0 95%
 S10 0 S2 (S) ("95%")
 ?s s2 (s) ((cell (w) population) or (composition))
 2751 S2
 5701152 CELL
 1239871 POPULATION
 50204 CELL(W)POPULATION
 459792 COMPOSITION
 S11 68 S2 (S) ((CELL (W) POPULATION) OR (COMPOSITION))
 ?rd
 ...examined 50 records (50)
 ...completed examining records
 S12 29 RD (unique items)
 ?s s12 and (95 or 90 or 72 or 84)
 29 S12
 446836 95
 575966 90
 320027 72
 199321 84
 S13 2 S12 AND (95 OR 90 OR 72 OR 84)
 ?t s13/3,k/all

13/3,K/1 (Item 1 from file: 155)
 DIALOG(R)File 155:MEDLINE(R)

09218015 96256701 PMID: 8786441

In vivo growth factor expansion of endogenous subependymal neural precursor cell populations in the adult mouse brain.

Craig CG; Tropepe V; Morshead CM; Reynolds BA; Weiss S; van der Kooy D
 Department of Anatomy and Cell Biology, University of Toronto, Ontario, Canada.

Journal of neuroscience (UNITED STATES) Apr 15 1996, 16 (8) p2649-58
 , ISSN 0270-6474 Journal Code: JDF

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

QP 35. J65

... lateral ventricle subependyma in the adult mammalian forebrain contains both neural stem and progenitor cells. This study describes the in situ modulation of these subependymal *neural* *precursor* populations after intraventricular administration of exogenous growth factors. In vivo infusion of epidermal growth factor (EGF) into adult mouse forebrain for 6 consecutive days resulted...

... subependymal cells and induced their migration away from the lateral ventricle walls into adjacent parenchyma. Immediately after EGF infusion, immunohistochemical characterization of the EGF-expanded *cell* *population* demonstrated that >*95%* of these cells were EGF receptor- and nestin-positive, whereas only 0.9% and 0.2% labeled for astrocytic and neuronal markers, respectively. Seven weeks...

... neurons in the cortex, striatum, and septum. Newly generated oligodendrocytes were also observed. These in vivo results (1) confirm the existence of EGF-responsive subependymal *neural* *precursor* cells in the adult mouse forebrain and (2) suggest that EGF acts directly as a proliferation, survival, and migration factor for subependymal precursor cells to...

13/3,K/2 (Item 1 from file: 5)
 DIALOG(R)File 5:Biosis Previews(R)
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